James C. DiPaula, Jr.
Secretary

MARYLAND

DEPARTMENT OF
BUDGET & MANAGEMENT

Robert L. Ehrlich, Jr.
Governor

Michael S. Steele
Lt. Governor

Maryland Technical Architecture Framework

Progress Report

November 29th, 2004

Progress

- **Completed:**
  - ➤ EA Seminar #2 - Technical Architecture 101
  - ➤ Draft Md. Technical Reference Model (TRM)
- **Next Steps:**
  - ➤ Finalize Business Drivers Report
  - ➤ Finalize Guiding Principles Report
  - ➤ Draft TRM Report
  - ➤ Standup Standards Committees for 2 service areas
  - ➤ Compile Technologies/Products used by agencies
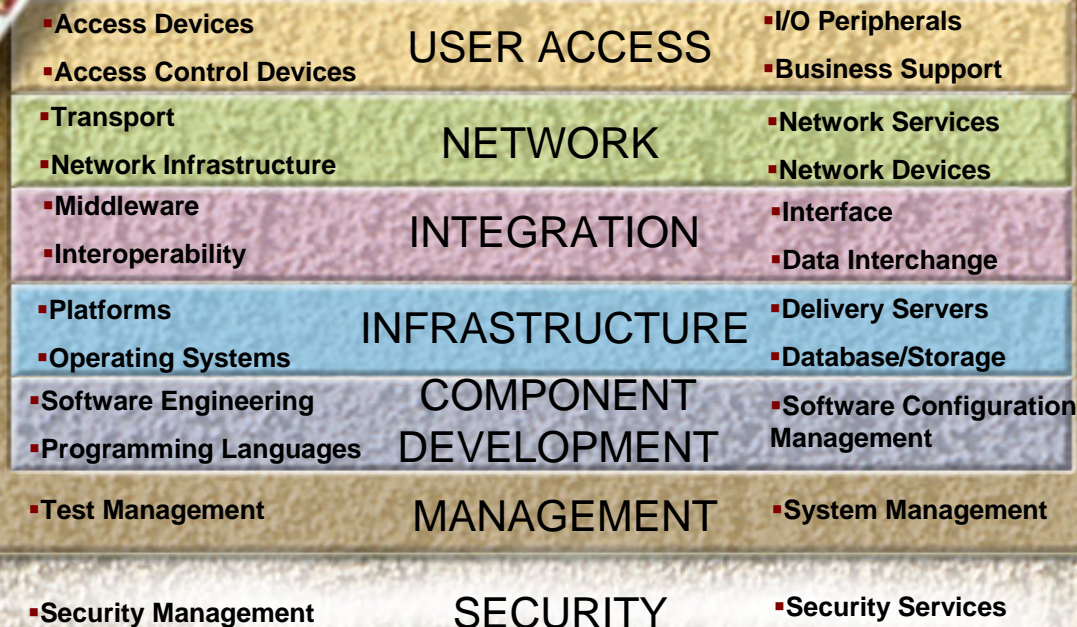 - ➤ Build out standards for 2 service areas

Maryland EA Framework

Maryland TRM

TECHNICAL REFERENCE MODEL

▪Access Devices ▪Access Control Devices	USER ACCESS	▪I/O Peripherals ▪Business Support
▪Transport ▪Network Infrastructure	NETWORK	▪Network Services ▪Network Devices
▪Middleware ▪Interoperability	INTEGRATION	▪Interface ▪Data Interchange
▪Platforms ▪Operating Systems	INFRASTRUCTURE	▪Delivery Servers ▪Database/Storage
▪Software Engineering ▪Programming Languages	COMPONENT DEVELOPMENT	▪Software Configuration Management
▪Test Management	MANAGEMENT	▪System Management
▪Security Management	SECURITY	▪Security Services

Maryland TRM

Infrastructure

Platforms	Operating Systems	Delivery Servers	Database /Storage
Partitioning	Mainframe	Application Servers	Database (RDBMS)
Peripherals	Middle Tier	Web Servers	Storage
Video conferencing	Personal Computers	Knowledge Management	Backup & Recovery
Mainframe	File and Printers	Business Process Management	Modeling
Server	Mobile Devices	Content Management	Metadata Management
Peripherals		Search Engine	
Graphics		Business Services	
SAN		Mail Servers	
NAS		Collaboration Servers	
Cables		Media Servers	
CD-Rom Drives		Portal Servers	
Data Storage		Application Servers	
Desktops			

DRAFT

Maryland TRM

- Domains and disciplines categorize the TRM information
- Technical Areas contain detailed specifications and products
- Specifications are associated to products
- Products have a standard classification
  - Emerging
  - Current
  - Sunset
  - Special Use

E-mail View

User Access

Business Support Software

Access Devices

Infrastructure

Platforms

Delivery Servers

Network

Network Services

Category	Products	Specification	Standards Classification
Browser	■ Internet Explorer ■ Navigator ■ Firefox	■ HTTP/1.1 ■ HTML/4.01 ■ CSS2 ■ SSL3	■ Current ■ Sunset ■ Emerging
Operating System	■ Windows Server 2000 ■ Netware 6.x	■ POSIX, FIPS 151-2	■ Sunset ■ Sunset
Handheld Device	■ Blackberry ■ Treo 600	■ WML/2.0 ■ WMLScript	■ Current ■ Emerging
Server	■ Proliant ■ Sun Fire		■ Current ■ Emerging
Workstation	■ Dimension ■ ThinkCentre		■ Current ■ Emerging
Web Servers	■ Apache ■ Internet Information Server		■ Special Use ■ Current
Mail Servers	■ Exchange Server ■ Groupwise		■ Current ■ Current
Directory Services	■ Active Directory ■ Novell Directory Services ■ Eudora LDAP	■ LDAP ■ X.500 ■ X.400	■ Current ■ Sunset ■ Sunset
Messaging	■ Groupwise ■ Outlook	■ IMAP4Rev1 SMTP ■ POP3	■ Sunset ■ Emerging

DRAFT